



# **619 and 858 Area Codes**



**October 4 - 5, 2016**

**California Public Utilities Commission**

# California Public Utilities Commission (CPUC)'s Role

- a) FCC holds full jurisdiction over telephone numbering system.
- b) FCC has delegated area code relief responsibilities to each state.
- c) The CPUC conducts area code relief and determines method to introduce a new area code.
  - Public Utilities Code Section 7930-7943 directs the CPUC to conduct public meetings.
- d) Area code administration is in accordance with FCC policy. Area codes are managed and assigned by the North American Numbering Plan Administration (NANPA).

# History

- a) The 619 area code was created in 1982 as a split from the original 714 area code.
- b) In 1997, the 619 was split to create the 760 area code.
- c) In 1999, the 619 was split again, creating the 858 area code.
- d) The 619 now has a limited number of prefixes remaining.
- e) NANPA forecasted the 619 area code to use up all prefixes in the 1st quarter of 2019.

# NANPA

- FCC contracted with Neustar, a public company, to serve as the NANPA
- NANPA's responsibilities:
  - Assigns area codes and prefixes,
  - Tracks number usage, receives numbering reports from the service providers,
  - Forecasts when area codes will run out of prefixes, or “exhaust”, and
  - Coordinates planning to introduce new area code, or *Area Code Relief Planning*, which starts 36 months before the forecasted exhaust

# Factors to Consider in Area Code Exhaust Forecast

- a) History of prefix code assignments
- b) Current growth in the telecommunications industry
- c) Annual increase in the demand for prefixes in the area code

# Number Limitations

- a) Area codes are geographically specific.
- b) Each area code is divided into local serving areas called rate centers.
- c) The 619 area code is divided into 11 rate areas.

619 Rate Centers			
CAMPO	DULZURA	JACUMBA	PINE VALLEY
CHULA VISTA	EL CAJON	LA MESA	SAN DIEGO: SAN DIEGO DA
CORONADO	HARBISON-ALPINE	NATIONAL CITY	

- d) The 858 area code is divided into 8 rate areas.

858 Rate Centers		
DEL MAR	RANCHO BERNARDO	SAN DIEGO:LINDA VISTA DA
LA JOLLA	RANCHO PENASQUITOS	SAN DIEGO:MIRA MESA DA
POWAY	RANCHO SANTA FE	

- e) Every prefix is assigned to a specific rate center and may only be used for telephone services in that rate center.

# 619 and 858 Area Code Background

- a) In the 619 and 858 area codes, there are currently over 65 service providers which can be local phone companies, mobile phone companies or paging companies.
- b) The 619 area code is divided into 11 rate areas, covering much of downtown San Diego, neighboring cities of Chula Vista, Coronado, El Cajon, Imperial Beach, La Mesa, Lemon Grove, National City, and Santee, as well as unincorporated areas of San Diego County.
- c) The 858 area code is divided into 8 rate areas, serving the northern portion of the City of San Diego, along with the adjacent cities of Del Mar, Poway, Solana Beach and a small portion of the City of Encinitas, as well as an unincorporated area of San Diego County.

# Number of Prefixes Remaining

- a) The 619 area code has 75 useable prefixes or 10% remaining at this time. They are expected to run out by March 2019.
- b) The 858 area code has 368 useable prefixes or 46% remaining at this time. They are expected to last approximately 30 years.
  - The 46% remaining prefixes in the 858 area code will be used in both the 619 and 858 area code areas. The two area codes will be blended by eliminating the boundary between them.



Each prefix is assigned to a rate center from the available inventory. Once assigned, numbers from that prefix are not available for assignment to end users in another rate center.

## 619 Rate Centers and Assigned Prefixes

619 Rate Center	Prefix Assignment	619 Rate Center	Prefix Assignment	619 Rate Center	Prefix Assignment
CAMPO	6	EL CAJON	77	NATIONAL CITY	37
CHULA VISTA	115	HARBISON-ALPINE	8	PINE VALLEY	6
CORONADO	21	JACUMBA	7	SAN DIEGO: SAN DIEGO DA	370
DULZURA	7	LA MESA	53		

Currently there are 75 useable prefixes remaining available for assignment in the 619 area code.

# Relief Methods

Geographic Splits	All-Services Overlays
<ul style="list-style-type: none"> <li>Splits maintain a single area code for each geographic area. This may minimize confusion for customers outside the area.</li> </ul>	<ul style="list-style-type: none"> <li>With an overlay there will be more than one area code in a geographic area.</li> </ul>
<ul style="list-style-type: none"> <li>Splits require an area code change for approximately one-half of customers in a two-way split, and two-thirds of customers in a three-way split.</li> </ul>	<ul style="list-style-type: none"> <li>An overlay will not require existing customers to change their area code.</li> </ul>
<ul style="list-style-type: none"> <li>Geographic splits permit 7-digit dialing within an area code.</li> </ul>	<ul style="list-style-type: none"> <li>An overlay requires customers to dial 10 digits (or 1 + 10 digits) for all calls.</li> </ul>
<ul style="list-style-type: none"> <li>Stationery, business cards and advertising, as well as non-telephony databases, containing a ten-digit phone number will need to be revised by customers receiving the new area code.</li> </ul>	<ul style="list-style-type: none"> <li>There is no need to revise stationery, business cards and advertising, as well as non-telephony databases, unless they contain only seven digit phone numbers.</li> </ul>
<ul style="list-style-type: none"> <li>Future splits will reduce the geographic size of the area code.</li> </ul>	<ul style="list-style-type: none"> <li>An overlay will end further shrinking of the geographic size of the area code because subsequent relief will likely be another overlay.</li> </ul>

# Relief Methods

- a) There has not been an area code split in the nation in the last nine years.
- b) The last split in California was twelve years ago.
- c) California has introduced six new area codes using the overlay method and a seventh overlay was recently ordered in Los Angeles.
- d) The overlay has become the preferred form of area code relief.

# Limitations of Area Code Split for 619

- a) The split option, with the split line following the rate center boundaries of *San Diego: San Diego DA* and *National City*, would result in a projected life of 36 years on one side of the split line, and a projected life of 20 years on the other side of the line.
- b) Due to the 16-year difference in the two projected lives, the split alternative would not meet the industry criteria and would need to be suspended pending FCC direction.
- c) The split alternative would also split the Cities of San Diego, Lemon Grove, Chula Vista and National City.

# 619 Area Code

## Proposed Relief Method

- Telecommunications industry proposed a boundary-elimination overlay over the 619 and 858 areas using the remaining 619 and 858 prefixes
- Projected life of the overlay is about 17 years

# Impacts of the Overlay

- a) All current customers will keep their existing area code and telephone number
- b) Must dial 1 + ten digits to complete all calls, including local calls
- c) Ten digit dialing is a FCC requirement so that all customers in the two area codes are treated alike
- d) Dialing '1+ an area code' does not change what a call costs and does not mean that a call is a toll or long distance call
- e) Calling areas and rates will not change
- f) What is a local call now will remain a local call
- g) Calls to 911, as well as 211, 311, 411, 511, 611, 711 and 811 will not be affected, and will continue to be dialed with 3 digits

# Implementation Periods of the Overlay

- Permissive 1 + 10-digit dialing period
  - Customers may dial numbers from the 619 area code to other 619 numbers using 7 digits or 1+10 digits, but are encouraged to use the new 1 + 10-digit procedure.
  - Permissive period usually lasts several months
- Mandatory 1 + 10-digit dialing period
  - All calls must be dialed using 1 + 10 digits
  - Customers who dial 7 digits will reach a recording stating the call must be redialed using 1 + 10 digits
- Introduction of the new area code
  - One month after mandatory dialing period

# Implementation Timeline of the Overlay

## Implementation Intervals:

- NANPA files application with CPUC
  - *Winter 2016*
- CPUC Decision
  - *Summer 2017*
- Permissive 1 + ten digit dialing period
  - *Spring 2018*
- Mandatory 1 + ten digit dialing period
  - *Fall 2018*
- Introduction of the new area code
  - *One month after mandatory dialing period*



# Questions & Comments?

- a) Sign up with the CPUC Public Advisors to speak
- b) Fill out the comment form in the handout packet, and
  - Give the completed form to a CPUC representative,
  - Mail the form to the CPUC Public Advisors' Office at 320 W. 4<sup>th</sup> St., Suite 500, Los Angeles, CA 90013, or
  - Email the form to the Public Advisors' Office at [public.advisor@cpuc.ca.gov](mailto:public.advisor@cpuc.ca.gov)
- c) Call the CPUC Area Code Hotline (866) 340-6147